ABSTRACT OF THE DISCLOSURE:

A control program for a supervisor processor in a video-on-demand system directs the supervisor processor to perform the steps of: a) transfer a group of video data packets, from an externally stored complete video into a memory for the supervisor processor; b) build in the supervisor processor's memory, a respective subgroup of internet protocol headers for each video data packet in the group; and c) construct, in the memory of a co-processor, a transmission control list which indicates how each video data packet in the group, and its respective subgroup of internet protocol headers, can be accessed from the supervisor processor's memory by the co-processor.

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